

## EAST Search History

| Ref # | Hits    | Search Query  | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|---------|---|-----------------|------------------|---------|------------------|
| L1    | 6779    | ((428/690,917) or (313/504,506)).CCLS.                                | US-PGPUB; USPAT | OR               | OFF     | 2007/03/27 07:35 |
| L2    | 4591    | (257/40,102,103,E51.044).CCLS.  | US-PGPUB; USPAT | OR               | OFF     | 2007/03/27 07:35 |
| L3    | 500     | (546/4,10).CCLS.  | US-PGPUB; USPAT | OR               | OFF     | 2007/03/27 07:36 |
| L4    | 904     | (252/301.16).CCLS.  | US-PGPUB; USPAT | OR               | OFF     | 2007/03/27 07:36 |
| L5    | 20855   | phenylpyridine or (phenyl with pyridine)                              | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 08:46 |
| L6    | 6240    | phenylquinoline or (phenyl with quinoline)                            | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 08:46 |
| L7    | 2449    | phenylisoquinoline or (phenyl with isoquinoline)                      | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 08:46 |
| L8    | 212856  | (aryl or heteroaryl or aromatic or heteroaromatic) with substitu\$    | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:37 |
| L9    | 150     | 3 and 5   | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:37 |
| L10   | 54      | 3 and 6   | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:37 |
| L11   | 26      | 3 and 7   | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:38 |
| L12   | 162     | 9 or 10 or 11   | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:38 |
| L13   | 121     | 12 and 8  | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:38 |
| L14   | 41      | 12 not 13   | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:39 |
| L15   | 1069    | (1 or 2 or 4) and (5 or 6 or 7)                                       | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:40 |
| L16   | 722     | 15 and 8  | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:40 |
| L17   | 628     | 16 not 12   | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:41 |
| L18   | 326     | 15 not (12 or 16)   | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 07:42 |
| L19   | 1443135 | chelate\$5 or complex\$5 or coordinate\$5 or organometal\$5 or ligand | US-PGPUB; USPAT | OR               | ON      | 2007/03/27 08:47 |

## EAST Search History

|     |        |   |                 |    |    |                  |
|-----|--------|---|-----------------|----|----|------------------|
| L20 | 560431 | lumines\$5 or electrolumines\$5 or phosphores\$5 or electrophosphores\$5 or fluores\$5 or ((light or triplet) with (emit\$5 or emiss\$5)) | US-PGPUB; USPAT | OR | ON | 2007/03/27 08:47 |
| L21 | 1903   | (6 or 7) and 19 and 20  | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:44 |
| L22 | 675    | (6 or 7) same 19  | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:44 |
| L23 | 459    | 22 and 20   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:45 |
| L24 | 304    | 23 and 8  | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:45 |
| L25 | 142    | 24 not (12 or 15)   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:45 |
| L26 | 80     | 23 not (12 or 15 or 24)   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:46 |
| L27 | 2281   | 5 same 19   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:46 |
| L28 | 1525   | 27 and 20   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:46 |
| L29 | 1130   | 28 and 8  | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:47 |
| L30 | 3467   | 5 same 8  | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:47 |
| L31 | 131    | 29 and 30   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:47 |
| L32 | 55     | 31 not (12 or 15 or 24)   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:48 |
| L33 | 18216  | 19 same 8   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:48 |
| L34 | 720    | 33 same 20  | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:49 |
| L35 | 528    | 34 not (12 or 15 or 24 or 31)   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:49 |
| L36 | 81169  | ((aryl or heteroaryl or aromatic or heteroaromatic) with substitu\$.<br>clm.  | US-PGPUB; USPAT | OR | ON | 2007/03/27 08:48 |
| L37 | 2549   | 36 and (5 or 6 or 7) and 19 and 20  | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:51 |
| L38 | 2097   | 37 not (12 or 15 or 24 or 31 or 35)   | US-PGPUB; USPAT | OR | ON | 2007/03/27 07:51 |

## EAST Search History

|     |        |  |                    |    |    |                  |
|-----|--------|--|--------------------|----|----|------------------|
| L39 | 3377   | naphthylpyridine or (naphthyl with pyridine) or pyridylnaphthalene or pyridinylnaphthalene or ((pyridyl or pyridinyl) with naphthalene)  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:46 |
| L40 | 175    | 19 same 39   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 07:53 |
| L41 | 95     | 20 and 40  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 07:55 |
| L42 | 80     | 40 not 41  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 07:56 |
| L43 | 2858   | (phenylpyridine or (phenyl with pyridine)).clm.  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:46 |
| L44 | 1094   | (phenylquinoline or (phenyl with quinoline)).clm.  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:46 |
| L45 | 537    | (phenylisoquinoline or (phenyl with isoquinoline)).clm.  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:46 |
| L46 | 429    | (naphthylpyridine or (naphthyl with pyridine) or pyridylnaphthalene or pyridinylnaphthalene or ((pyridyl or pyridinyl) with naphthalene)).clm.                                   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:46 |
| L47 | 176830 | (chelate\$5 or complex\$5 or coordinate\$5 or organometal\$5 or ligand).clm.   | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:47 |
| L48 | 159702 | (luminescence\$5 or electroluminescence\$5 or phosphorescence\$5 or electrophosphorescence\$5 or fluorescence\$5 or ((light or triplet) with (emission\$5 or emissive\$5))).clm. | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:47 |
| L49 | 548    | (43 or 44 or 45 or 46) and 47  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:50 |
| L50 | 120    | 48 and 49  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:49 |
| L51 | 251    | 49 and 36  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:49 |
| L52 | 196    | 51 not 50  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:49 |
| L53 | 232    | 49 not (50 or 51)  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:49 |
| L54 | 224    | (43 or 44 or 45 or 46) and 48  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:52 |
| L55 | 104    | 54 not (49 or 50 or 51)  | US-PGPUB;<br>USPAT | OR | ON | 2007/03/27 08:52 |

*L43-L55: Interference Text Search*